# TSC Meeting

September 12, 2018
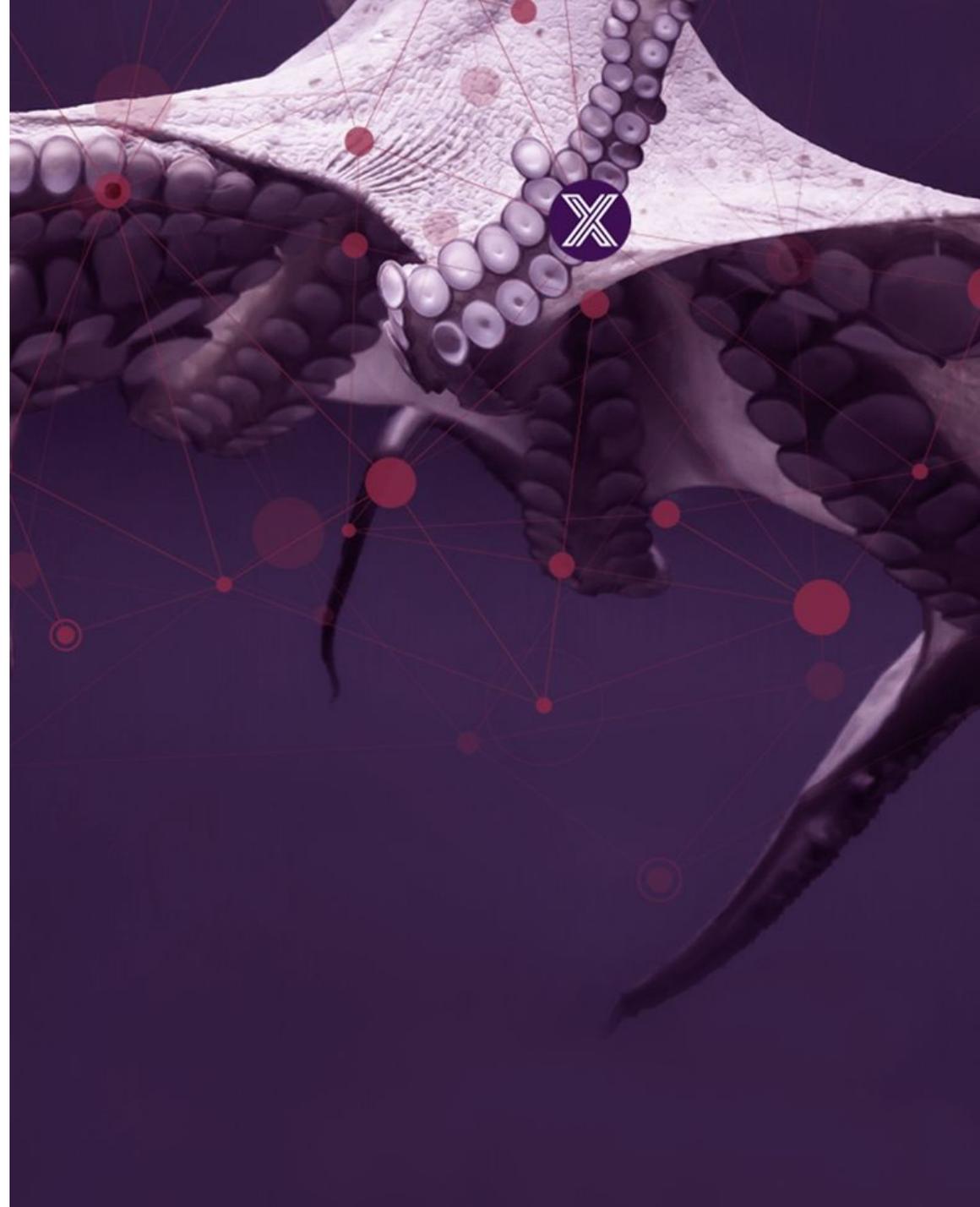
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Meeting Logistics

Time: September 12, 2018 7am PDT – 8am PDT

Join from PC, Mac, Linux, iOS or Android: https://zoom.us/j/983155298

Or iPhone one-tap (US Toll): +14086380968,983155298# or +16465588656,983155298#

Or Telephone:

Dial: +1 408 638 0968 (US Toll) or +1 646 558 8656 (US Toll)

+1 855 880 1246 (US Toll Free)

+1 877 369 0926 (US Toll Free)

Meeting ID: 983 155 298

International numbers available: https://zoom.us/zoomconference?m=mkFexUxEcqHlvXHw53PqScTDRvS48PiQ

** TSC calls are recorded and added to Wiki post-call

TSC – Members Present Today

Company	Name	Email
IOTech	Andy Foster	andy@iotechsys.com
ForgeRock	**David Ferriera**	david.ferriera@forgerock.com
Analog Devices	Doug Gardner	doug.gardner@analog.com
Mainflux	**Drasko Draskovic**	drasko@mainflux.com
Mainflux	Janko Isidorovic	janko@mainflux.com
The Linux Foundation	**Jeremy Phelps**	jphelps@linuxfoundation.org
Dell	**Jim White (TSC Vice Chair)**	james.white2@dell.com
IOTech	**Keith Steele (TSC Chair)**	keith@iotechsys.com
Samsung	Moonki Hong	moonki1.hong@samsung.com
IOTech	**Steve Osselton**	steve@iotechsys.com
Canonical	**Tony Espy**	espy@canonical.com
Dell	**Trevor Conn**	Trevor.Conn@dell.com

Current quorum = 8 members

*Note: TSC meetings shall require a **quorum of two-thirds of the TSC total members to take a vote or make a decision.** If a TSC meeting fails to meet the quorum requirement, discussions may proceed, however there shall be no voting or decisions.*

Today's Agenda

- WG Updates
- Edinburgh F2F Planning
  - Agenda items and topics
  - Logistics
- EdgeX Community Demo Update
- Upcoming Events
- AOB

California Release & Work Group Updates

Jim White

Working Group Chair Updates

- Around the horn
    - Core/Supporting - Trevor
    - Applications - Janko
    - Device Services - Steve
    - Test/QA - Andy
    - DevOps - Jeremy
    - Security - David
    - System Management - Jim
    - Vertical Solutions - Moonki
- Developer Outreach
- Others & Misc

Core Working Group (12-Sep-18)

- Package restructuring work across all services is complete
  - PR #494 merged. Thanks to all who reviewed.
- Config V2 underway
  - Core-command is done
  - Core-data in progress
- Removal of Zap logging from export services nearly complete
  - Goal is to standardize on support-logging service
  - Follow-up will be bootstrap resiliency for export client/distro
- Targeting addition of support-scheduler Go service in the next week
- No Core WG meeting tomorrow.

Applications WG (5-SEP-18)

- New export services design work
- AWS connector

Device Services WG Update (12-SEP-18)

- Go SDK progress
  - Good community involvement
- C SDK progress
  - Now supporting basic read/write
  - Good progress with example services (IOTivity/Grove)
- Common issues
  - Local scheduling mechanism being clarified
  - Discussion on device registration

QA/Test WG Update (5-SEP-18)

- Current
  - No outstanding blackbox PRs
  - Assist DevOps with any help needed to get blackbox test running against ARM builds

- Next (Delhi)
  - Modify blackbox tests to support any RAML changes
  - Assist DevOps to setup better testing scoreboards
  - Draft Performance Test specification ready for review
    https://wiki.edgexfoundry.org/pages/viewpage.action?pageId=18907573

DevOps WG (12-SEP-18)

- EdgeX UI moved from holding to main organization
- IoTech moving UI into holding
- Good progress on arm templates, expect to test today
- Meeting with Brandon soon on CI work
- Community members doing more CI work
- Still need to release security california dot to DockerHub
- Self release is being worked on

Security (12-SEP-18)

- Roadmap presentation deck available on the Wiki
  - [On the Wiki](#)
  - Presented to IIC recently
- Delhi work continues
  - Init script improvements
  - Vault non-root tokens and namespace creation
  - Oauth Plugin for Kong
  - ACL Plugin
  - HRoT design

System Management WG (12-SEP-18)

- Jay Chetty from Intel will present on Intel's secure device provisioning
  - @ next System Management WG Meeting, Sept 18th, 8am PDT
  - For connection details see the Wiki
  - Security / System Management session
- Implementation update
  - Working prototype on Master
  - Initial service manifest work
- Roadmapping slide deck produced (Edinburgh, Fuji)
  - See the Wiki

Developer Outreach (12-SEP-18)

- Complete
  - Website layout refresh
  - Google Analytics on new docs pages

- In Progress
  - Website refresh, phase 2
  - Add "Get Help" links to docs with high user dropoff

- Coming up
  - Device Service creation walkthrough

Edinburgh F2F Planning

Jim W & Brett

Edinburgh F2F

- Oct 23 - Architect's Day
  - Current list of Work Groups needing time on the 23rd?
  - System management (2-4 hours)
  - Security (2-4 hours)
- Oct 24-25: TSC meetings
- Planning Deck started
  - See Wiki for latest
- Business Topics moved to late afternoon of 25th

EdgeX TSC F2F Meeting(s)

- Wednesday & Thursday 24th/25th October -- Location Edinburgh, UK -- Wiki page
  - Working Group technical meetups on Tuesday, October 23
- **RSVP at https://goo.gl/forms/QR3WgP4ybB5KUT3w2**
  - Current registration count: 35 in-person; 3 dial-in (3 are Tuesday only)
  - Tuesday Working Group Counts
    - Security: 8
    - Systems Mgmt: 3
    - Applications: 6
   - Device: 11
    - QA/Test: 2
- Hotel/Travel: https://events.linuxfoundation.org/events/elc-openiot-europe-2018/attend/venue-travel/
- For Wednesday night dinner/activity, Scotch whisky tasting!!
  - RSVP is required. RSVP as part of TSC registration above.
  - Current dinner count: 26

- April 2019 -- Location Seoul or Suwon (South Korea)

Do the highlighted groups need meeting time on Tuesday?

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Stand Design

- Demonstrator stand design has been revised based on feedback from TSC
- Single wall design has been replaced with a more modular approach
- Will make transportation and setup much easier and more costs effective
- New design will enable demonstrator to be used at a greater variety of events
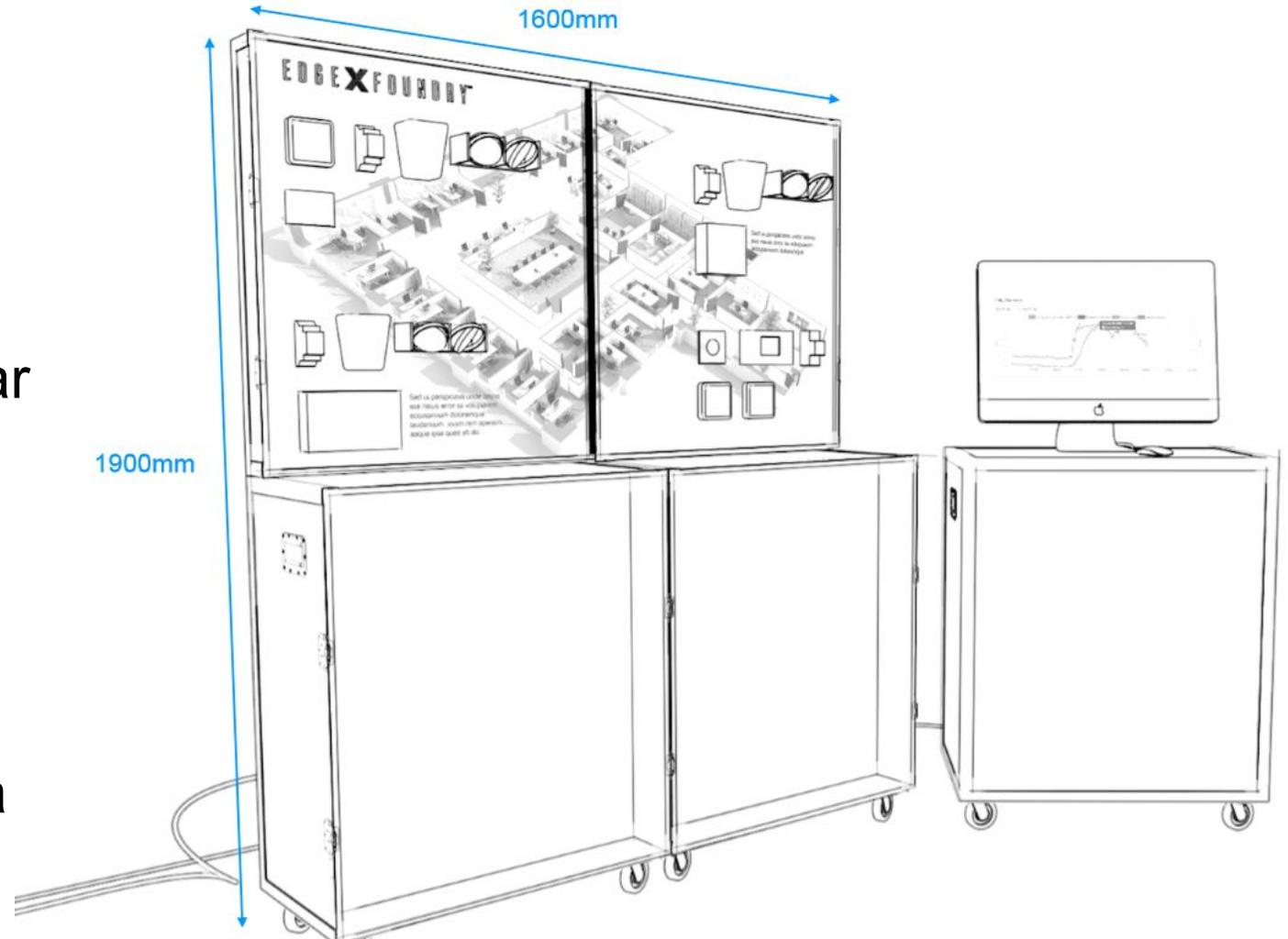
Upcoming Events

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- Edge Computing Congress, September 18 - 20, 2018, Berlin
  - September 20 - 12:20 pm: Janko Isidorovic - Panel (Open Source & how EdgeX works with Akraino)
  - September 20 - 12:50 pm: Janko Isidorovic - Overview of EdgeX Foundry
- Open Networking Summit Europe, September 25 - 27, 2018, Amsterdam, Netherlands
  - Community Partner: Save 15% on Attendee Registration with discount code ONSEU18COM15
- IoT Scotland Meetup, September 27, 2018, Scotland
  - 6:30pm: Keith Steele - EdgeX Foundry overview
- Redis Labs IoT Meetup, October 1, San Francisco
  - Dave Nielson - EdgeX Foundry lightning talk
- Fog World Congress, October 1-3, San Francisco
  - Dr. May Wang - EdgeX Foundry overview (TBD)
  - Rob Schauble - Edge computing panel
- Newcastle IoT Meetup - October 2, Newcastle
  - Keith Steele - EdgeX Foundry overview

Upcoming Events (continued)

- IOT Solutions World Congress, October 16-18, 2018, Barcelona
  - Exhibiting: Booth location - Gran Via, Hall 2, Level 0, Street B, Stand 271
  - Community Demo debut
  - Who is planning to be on-site?
    - Andy Foster (IOTech), Brett Preston (LF), Eldar Gizzatov (Basking), James Butcher (IOTech), Janko Isidorovic (Mainflux), Keith Steele (IOTech), Martina Ronca (IOTech), Michael Hall (LF), Mo Chehab (Basking) ...others?
- Open Source Summit Europe / ELC / OpenIoT Summit Europe, October 22 - 24, 2018, Edinburgh, UK
  - Community Partner: Save 15% on Attendee Registration with discount code OSSEU18COM15
  - Schedule announced
    - EdgeX Sessions:
      - Getting Started with EdgeX Foundry Workshop, Sunday October 21 at 1:30-5:15 pm, Jim White, Dell
      - Extending Cloud-Native Principles to the Edge to Enable Scalable IoT Solutions, October 23 at 9-9:40 am, Jason Shepherd, Dell
      - Building an Open IoT Solution with EdgeX Foundry and the Zephyr Project, October 23 at 12:20-1 pm, Michal Hall, EdgeX Foundry and Thea Aldrich, Zephyr Project
      - Getting Lean and Distributed at the Edge, October 24 at 5:05-5:45 pm, Jim White, Dell

Upcoming Events (continued)/CFPs

- Open Source Summit Europe / ELC / OpenIoT Summit Europe, October 22 - 24, 2018, Edinburgh, UK (Continued)
  - Member sessions (for amplification)
    - Can we Build a Safety Integrity Level System with Linux? October 22 at 11:15-11:55 am, Tiejun Chen, VMware
    - A Hybrid Solution to Address Real Time Virtualization, October 22 at 5:05-5:45 pm, Tiejun Chen, VMware
    - Any other member presentations?
- EdgeX Edinburgh Technical Meetings, October 23 - 25, 2018, Edinburgh, UK
- Internet of Things Congress, October 24, 2018, Nuremberg, Germany
  - 2pm: Matthias Schorer - EdgeX presented in session on how to use microservice approach to IoT edge computing.
- Symposium on Securing the IoT, October 29-31, Boston
  - Brad Kemp - EdgeX Foundry Overview (TBD)

CFP Upcoming Deadline:
- FIWARE Summit, November 26-28, Malaga Spain
  - **Deadline - September 14, 2018**
  - https://docs.google.com/forms/d/e/1FAIpQLSdr2ban4yHdP1O1STEBHDD-e2GOIy_RmNkgLZ3Aw5ZpDH4t5Q/viewform
- Members interested in joining the EdgeX Speakers Bureau, please email pr@edgexfoundry.org
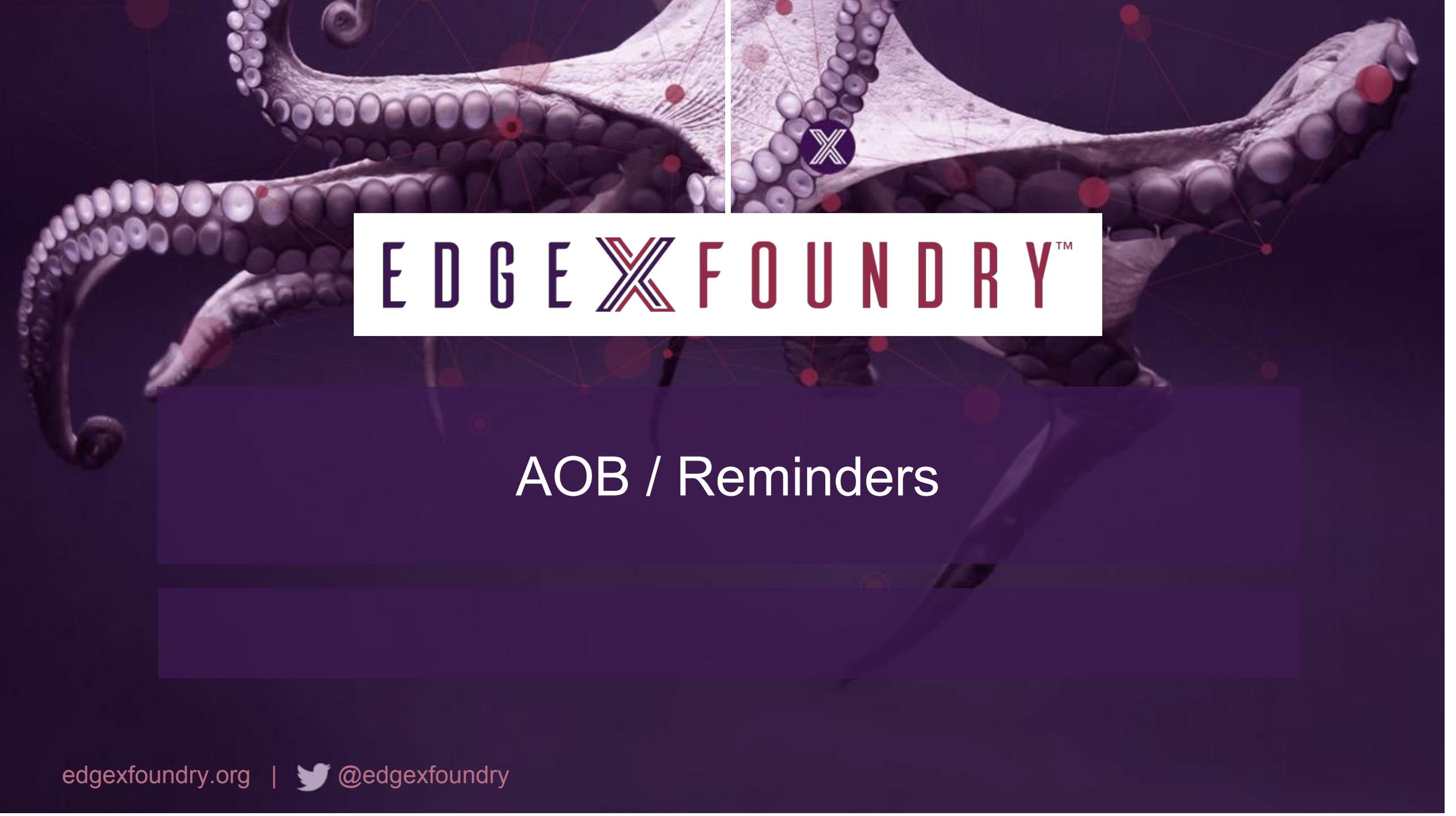
AOB / Reminders

AOB/Cadence

- Meeting Cadence Reminder
  - Currently held weekly at 7am PDT on Wednesday's
  - Calls without TSC quorum will still be used to review issues

- **Next Meeting: September 19, 2018**

EdgeX Project Organization

EDGE**X**FOUNDRY™

Chair
Keith Steele
IOTech

**EdgeX Foundry
Technical Steering Committee**

TSC At-Large
Members

Tony Espy
Canonical

Drasko
Draskovic
Mainflux

**Working
Groups**

Chair
Trevor Conn
Dell

Core
Working Group

Chair
Steve Osselton
IOTech

Device SDK
Working Group

Chair
Janko
Isisdorovic
Mainflux

Applications
Working Group

Chair
Jim White
Dell

System Management
Working Group

Chair
David Ferriera
ForgeRock

Security
Working Group

Chair
Moonki Hong
Samsung

Vertical Solutions
Working Group

Chair
Jeremy Phelps
*Linux
Foundation*

DevOps

Chair
Andrew
Foster
IOTech

QA and Test

Projects

Core
MVP

Device SDK
MVP

Export Services
SDK MVP

System
Management
Services MVP

Security
Services
MVP

Smart
Factory

Oil and
Gas

Continuous
Integration
MVP

Testing
MVP

Go Lang

Snappy

UI

Maintainer: MJ
Samsung

Maintainer:
Alberto
NOV

Additional
use-case specific
projects

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Marketing

- **CTA:** If your company will be presenting EdgeX at an upcoming event/webinar/other, please email pr@edgexfoundry.org so that we can help promote

EdgeX in Market

- Page showcases momentum in the project, including solutions already available
- https://www.edgexfoundry.org/edgex-in-market/
- Email info@edgexfoundry.org if you have any additions

Project Contributions Welcome!

- Our objective is to make EdgeX use & deployment pervasive!
- EdgeX success is 100% dependent on the vibrancy of a proactive community
- Getting Involved
  - Project membership growing - want to join contact Brett Preston at LF (bpreston@linuxfoundation.org)
  - First Priority is the MVP - potential contributors please contact keith@iotechsys.com (people, equipment, technology)
  - If interested in adding new projects please contact the relevant working group chair

Project Resources

Quick links to most commonly used Community Resources

- Code: https://github.com/edgexfoundry
- Documentation: https://wiki.edgexfoundry.org/
- Discussion: https://chat.edgexfoundry.org/
- Mail Lists: https://lists.edgexfoundry.org/mailman/listinfo
- Twitter: https://twitter.com/EdgeXFoundry
- LinkedIn: https://www.linkedin.com/company/22298339/
- YouTube: https://www.youtube.com/c/EdgeXFoundry

EdgeX - Where to learn more

- EdgeX Foundry Wiki

    https://wiki.edgexfoundry.org/display/FA/EdgeX+Foundry+Project+Wiki

- EdgeX Foundry Rocket Chat

    https://chat.edgexfoundry.org/home

- Weekly EXF Technical Spin up calls

    30 minute deep-dive topics followed by 30 minute open Q&A

    Call recordings are available on the Wiki

What is the Device Exchange?

- A great way to put your products in the hands of other members so they can help build a better EdgeX!
  - https://wiki.edgexfoundry.org/display/FA/Device+Exchange

Special thanks to Dave Bohlman and KMC Controls for making this awesome kit and how-to guide available to members!!
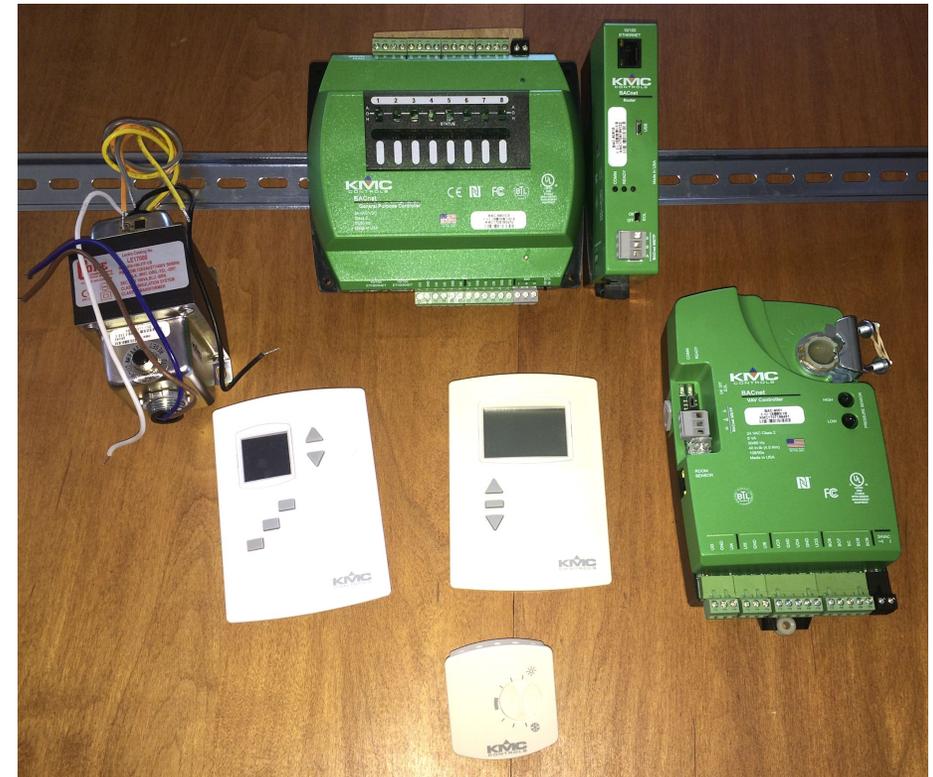
Meetups

- Help us grow awareness!
- Present, and Tag, EdgeX in your local IoT Meetups
- https://www.meetup.com/topics/edgex/
- Email info@edgexfoundry.org for assistance

Meetups: Reimbursement Program

- https://wiki.edgexfoundry.org/pages/viewpage.action?pageId=7602724
- Wiki page built for the community to leverage
- Encourage community to begin introducing EdgeX in your local Meetup groups
- EdgeX Foundry will fund/sponsor the talk in which EdgeX is scheduled to be presented
    - Up to $250 for F&B, once per Meetup group, per quarter
- Let us help drive traffic to your event! Email pr@edgexfoundry.org once Meetup has been scheduled
- Post-event, please consider doing a blog about the event

Hackathons: How can you help?

- https://wiki.edgexfoundry.org/display/FA/Hackathons
- Provide any local volunteers onsite to help with technical work, potentially help judge, etc. (see list below of known hackathons coming up and locations)
- Sponsor breakfast/lunch/dinner for the participants (usually things like donuts/coffee, pizza lunch or cater sandwiches)
- Sponsor $ rewards (incentives) for teams that successfully implement projects (these could even be projects that particular sponsors want to see accomplished - we just need them scoped appropriately so as to be something that can be accomplished in a 2 day period)
- Help provide or resource hackathon winner prizes
- Sponsor or provide any swag (t-shirts, mugs, etc.)
- Provide marketing assistance

Thank You